## FORM PTO-1449 (MODIFIED)

## LIST OF PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

Applicant(s): S.-Y. Chung et al.

Case:

2-19

Serial No.:

TBA January 19, 2001

Filing Date: Group:

TBA

FOREIGN PATENT DOCUMENTS  **CAMINER** NITIAL**  **DOCUMENT NO.**  **DOCUMENT NO.**		· · · · · · · · · · · · · · · · · · ·		U.S. PATENT DOCUME	ENTS		
FOREIGN PATENT DOCUMENTS  TRANSLATION  OTHER DOCUMENTS  AUTHOR. TITLE, DATE, PERTINENT PAGES, ETC.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	EXAMINE			N/ N#17	CY ACCICIDE! ACC	FILING DATE	
OTHER DOCUMENTS  CXAMINER NITIAL  REF NO. AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	NITIAL_	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF ATTROTALATI	
OTHER DOCUMENTS  CXAMINER NITIAL  REF NO. AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.							
OTHER DOCUMENTS  XAMINER NITIAL  REFNO. AUTHOR TITLE, DATE, PERTINENT PAGES, ETC.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.		<del></del>		DEFICE PATENT DOCL	IMENTS		
OTHER DOCUMENTS  XAMINER  NITIAL  REF NO.  AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	EXAMINE	R	rc	MEIGHTATENT DOCC		TRANSLATION	
Author title date, Pertinent Pages, etc.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	NITIAL		DATE	COUNTRY	CLASS/SUBCLASS	YES NO	
1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.					•		
Author title date, Pertinent Pages, etc.  1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.				OTHER ROCHMEN	TO		
1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	37 A 3 FEBRUAR			OTHER DOCUMEN.	18		
1. 1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.			HOR, TITLE, DAT	E, PERTINENT PAGES, ETC.			
Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	^ _						
Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.  2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	IV.	1 1 G I Pottie a	nd D.D. Taylo	or "Multilevel Codes Rased	l on Partitioning " IEEE Trans	actions on	
2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	<u> </u>	Information Theor	y, Vol. 35, N	o. 1, pp. 87-98, January 198	39.		
Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.  3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	1	·		<del></del>		C- 4 " IEEE	
3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.		2. H. Imai and S. I	Hırakawa, "A formation Th	New Multilevel Coding M	ethod Using Error-Correcting (	Codes, IEEE	
Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.  4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered	11			•			
4. LF. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.	<u> </u>	3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and					
Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.  5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEER Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered	/	Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.					
5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered	CF.	4. LF. Wei, "Coo	ded Modulati	on with Unequal Error Prot	ection," IEEE Transactions on		
Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered		Communications,	Vol. 41, No.	10, pp. 1439-1449, October	1993.		
Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.  6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered	~ P .	5 G. Ungerboeck "Trellis-Coded Modulation with Redundant Signal Sets. Part I: Introduction." IEE					
IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered							
IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.  Examiner  Date Considered	( T	6 C II1-	"Tuellie Coe	lad Madulation with Dodum	dont Cianal Cata Part II: State	of the Art "	
Examiner Date Considered		6. G. Ungerboeck. IEEE Communicat	ions Magazii	ne. Vol. 25. No. 2. pp. 12-2	1. February 1987.	or the Art,	
	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•		
		•					
	_	·					
3(2)/6(6)						ed	
	$\sim l$	× M -	7		3121	100	

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.